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OM protein - protein search, using sw model

Run on: May 7, 2002, 12:01:21 ; Search time 26.38 Seconds  
(without alignments)  
109.190 Million cell updates/sec

Title: US-09-772-103-8  
Perfect score: 655  
Sequence: 1 MDFQVQIFSLISASVLS.....CQWSSYPLTFGGTKVEIK 128

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

al number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_AA.\*  
1: /cgn2\_6/ptodata/2/iaa/5A.COMB.pep.\*  
2: /cgn2\_6/ptodata/2/iaa/5B.COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A.COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6B.COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/6C.COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/6D.COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	609	93.0	128	4	US-08-619-491-6
2	609	93.0	128	5	PCT-US95-07302-6
3	599	91.5	235	4	US-09-171-945-52
4	593	90.5	235	4	US-09-171-945-52
5	590	90.1	133	2	US-08-438-562-37
6	590	90.1	133	2	US-08-438-562-37
7	590	90.1	133	2	US-08-438-562-37
8	583	89.0	235	4	US-09-171-945-97
9	520	79.4	128	1	US-07-946-421-26
10	519	79.2	128	1	US-07-946-421-26
11	519	79.2	128	1	US-07-946-421-26
12	519	79.2	128	1	US-07-946-421-26
13	519	79.2	128	1	US-07-946-421-26
14	519	79.2	128	1	US-07-946-421-26
15	519	79.2	128	1	US-07-946-421-26
16	518	79.1	126	2	US-08-484-537-31
17	518	79.1	126	2	US-08-484-537-31
18	516	78.8	129	5	PCT-US95-07372-12
19	514	78.5	128	4	US-08-619-491-2
20	508	77.6	106	1	US-07-634-278-35
21	508	77.6	106	1	US-07-634-278-35
22	508	77.6	106	1	US-07-634-278-35
23	508	77.6	106	1	US-07-634-278-35
24	508	77.6	106	1	US-07-634-278-35
25	508	77.6	106	1	US-07-634-278-35
26	508	77.6	106	1	US-07-634-278-35
27	508	77.6	106	1	US-07-634-278-35

28 508 77.6 106 4 US-08-484-537-35 Sequence 35, Appl  
29 508 77.6 106 4 US-08-484-537-35 Sequence 59, Appl  
30 506 77.3 129 2 US-08-116-778E-2 Sequence 2, Appl  
31 506 77.3 129 2 US-08-438-562-2 Sequence 2, Appl  
32 506 77.3 129 2 US-08-438-562-2 Sequence 2, Appl  
33 503 76.8 106 3 US-08-397-411-8 Sequence 92, Appl  
34 503 76.8 106 3 US-08-397-411-8 Sequence 8, Appl  
35 500 76.3 110 1 US-08-482-882-96 Sequence 12, Appl  
36 500 76.3 110 2 US-08-482-882-96 Sequence 96, Appl  
37 500 76.3 110 2 US-08-482-882-96 Sequence 96, Appl  
38 500 76.3 110 2 US-08-482-882-96 Sequence 96, Appl  
39 500 76.3 110 2 US-08-482-882-96 Sequence 96, Appl  
40 500 76.3 110 2 US-08-482-882-96 Sequence 96, Appl  
41 500 76.3 110 2 US-08-482-882-96 Sequence 96, Appl  
42 500 76.3 110 3 US-08-714-017-96 Sequence 96, Appl  
43 499 76.2 107 4 US-09-171-945-50 Sequence 50, Appl  
44 496 75.7 107 4 US-09-171-945-50 Sequence 61, Appl  
45 495 75.6 107 1 US-08-459-310-14 Sequence 14, Appl

## ALIGNMENTS

RESULT 1  
US-08-619-491-6  
; Sequence 6, Application US/08619491  
; Patent No. 6210670  
; GENERAL INFORMATION:  
; APPLICANT: Berg, Ellen L.  
; TITLE OF INVENTION: Cross-Reacting Monoclonal Antibodies  
; TITLE OF INVENTION: Specific for E-Selectin and P-Selectin  
; NUMBER OF SEQUENCES: 10  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/619,491  
; FILING DATE: 26-MAR-1996  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO PCT/US95/07302  
; FILING DATE: 07-JUN-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/259,963  
; FILING DATE: 14-JUN-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Storella, John R.  
; REGISTRATION NUMBER: 32,944  
; REFERENCE/DOCKET NUMBER: 011823-00581005  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 128 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-619-491-6

Query Match 93.0%; Score 609; DB 4; Length 128;  
Best Local Similarity 93.0%; Pred. No. 2.8e-46;  
Matches 119; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

us-09-772-103-8.ra1

Mon Jul 1 16:28:12 2002

QY 1 MDFQVOIFSELLISASVILSRGDIQMTQSPSSLSASVGRVITTCSTSSITMSYQOK 60  
 DB 1 MDFQVOIFSELLISASVILSRGDIQMTQSPSSLSASVGRVITTCSTSSITMSYQOK 60  
 QY 61 PGKAPKLLIYDTSNLASGVPSRFGSGGSDTYTLTSSLPQEDFATYYCQWSSVPLTFG 120  
 DB 61 PGKAPKLLIYDTSNLASGVPSRFGSGGSDTYTLTSSLPQEDFATYYCQWSSVPLTFG 120  
 QY 121 GGTKEIK 128  
 DB 121 GGTKEIK 128

RESULT 2  
 PCT-US95-07302-6  
 ; Sequence 6, Application PC/TUS9507302  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Berg, Ellen L.  
 ; TITLE OF INVENTION: Cross-Reacting Monoclonal Antibodies  
 ; TITLE OF INVENTION: Specific for E-Selectin and P-Selectin  
 ; NUMBER OF SEQUENCES: 10  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Townsend and Townsend Khourie and Crew  
 ; STREET: One Market Plaza, Steuart Tower, Suite 2000  
 ; CITY: San Francisco  
 ; STATE: California  
 ; COUNTRY: USA  
 ; ZIP: 94105  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; APPLICATION DATA:  
 ; APPLICATION NUMBER: PCT/US95/07302  
 ; FILING DATE:  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/259,963  
 ; FILING DATE: 14-JUNE-94  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Smith, William M.  
 ; REGISTRATION NUMBER: 30,223  
 ; REFERENCE/DOCKET NUMBER: 11823-005810PC  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 415-326-2400  
 ; TELEFAX: 415-326-2422  
 ; INFORMATION FOR SEQ ID NO: 6:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 128 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; PCT-US95-07302-6

Query Match 93.0%; Score 609; DB 5; Length 128;  
 Best Local Similarity 93.0%; Pred. No. 2.8e-48;  
 Matches 119; Conservative 3; Mismatches 6; Indels 0; Gaps 0;  
 QY 1 MDFQVOIFSELLISASVILSRGDIQMTQSPSSLSASVGRVITTCSTSSITMSYQOK 60  
 DB 1 MDFQVOIFSELLISASVILSRGDIQMTQSPSSLSASVGRVITTCSTSSITMSYQOK 60  
 QY 61 PGKAPKLLIYDTSNLASGVPSRFGSGGSDTYTLTSSLPQEDFATYYCQWSSVPLTFG 120  
 DB 61 PGKAPKLLIYDTSNLASGVPSRFGSGGSDTYTLTSSLPQEDFATYYCQWSSVPLTFG 120  
 QY 121 GGTKEIK 128  
 DB 121 GGTKEIK 128

RESULT 3  
 US-09-171-945-52  
 ; Sequence 52, Application US/09171945  
 ; Patent No. 6277599  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Emery, Stephen  
 ; APPLICANT: Copley, Clive Graham  
 ; APPLICANT: Edge, Michael Derek  
 ; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said  
 ; TITLE OF INVENTION: Antibody, and Their Therapeutic Use in an Adept System  
 ; FILE REFERENCE: Monoclonal Antibody to CEA  
 ; CURRENT APPLICATION NUMBER: US/09/171,945  
 ; CURRENT FILING DATE: 1998-10-29  
 ; PRIOR APPLICATION NUMBER: GB9703103.3  
 ; PRIOR FILING DATE: 1997-02-14  
 ; PRIOR APPLICATION NUMBER: GB9609405.7  
 ; PRIOR FILING DATE: 1996-05-04  
 ; PRIOR APPLICATION NUMBER: PCT/GB97/01165  
 ; PRIOR FILING DATE: 1997-04-29  
 ; NUMBER OF SEQ ID NOS: 131  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 52  
 ; LENGTH: 235  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: humanized  
 ; US-09-171-945-52

Query Match 91.5%; Score 599; DB 4; Length 235;  
 Best Local Similarity 91.4%; Pred. No. 4.4e-47;  
 Matches 117; Conservative 5; Mismatches 6; Indels 0; Gaps 0;  
 QY 1 MDFQVOIFSELLISASVILSRGDIQMTQSPSSLSASVGRVITTCSTSSITMSYQOK 60  
 DB 1 MDFQVOIFSELLISASVILSRGDIQMTQSPSSLSASVGRVITTCSTSSITMSYQOK 60  
 QY 61 PGKAPKLLIYDTSNLASGVPSRFGSGGSDTYTLTSSLPQEDFATYYCQWSSVPLTFG 120  
 DB 61 PGKAPKLLIYDTSNLASGVPSRFGSGGSDTYTLTSSLPQEDFATYYCQWSSVPLTFG 120  
 QY 121 GGTKEIK 128  
 DB 121 GGTKEIK 128

RESULT 4  
 US-09-171-945-99  
 ; Sequence 99, Application US/09171945  
 ; Patent No. 6277599  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Emery, Stephen  
 ; APPLICANT: Copley, Clive Graham  
 ; APPLICANT: Edge, Michael Derek  
 ; TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said  
 ; TITLE OF INVENTION: Antibody, and Their Therapeutic Use in an Adept System  
 ; FILE REFERENCE: Monoclonal Antibody to CEA  
 ; CURRENT APPLICATION NUMBER: US/09/171,945  
 ; CURRENT FILING DATE: 1998-10-29  
 ; PRIOR APPLICATION NUMBER: GB9703103.3  
 ; PRIOR FILING DATE: 1997-02-14  
 ; PRIOR APPLICATION NUMBER: GB9609405.7  
 ; PRIOR FILING DATE: 1996-05-04  
 ; PRIOR APPLICATION NUMBER: PCT/GB97/01165  
 ; PRIOR FILING DATE: 1997-04-29  
 ; NUMBER OF SEQ ID NOS: 131  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 99  
 ; LENGTH: 235  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence

## ; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: humanized

US-09-171-945-99

Query Match 90.5%; Score 593; DB 4; Length 235;  
Best Local Similarity 90.6%; Pred. No. 1.5e-46;  
Matches 116; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

QY 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCSSASSVSYMHYQOK 60  
|||||  
Db 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCSSASSVSYMHYQOK 60  
|||||

QY 61 PGKAPKLLIYDTSNLASGVPSRFGSGSGTDYTLTISQLQPEDFATYYCQWSSYPLTFG 120  
|||||  
Db 61 PGKAPKLLIYDTSNLASGVPSRFGSGSGTDYTLTISQLQPEDFATYYCQWSSYPLTFG 120  
|||||

QY 121 GGTKEVEIK 128  
|||||  
Db 121 GGTKEVEIK 128  
|||||

## RESULT 5

US-08-116-778E-37  
; Sequence 37, Application US/08116778E  
; Patent No. 5830470  
; GENERAL INFORMATION:  
; APPLICANT: NAKAMURA, KAZUYASU  
; APPLICANT: KOIKE, MASAMICHI  
; APPLICANT: SHITARA, KENYA  
; APPLICANT: HANAI, NOBUO  
; APPLICANT: KAWANA, YOSHIHISA  
; APPLICANT: HASEGAWA, MAMORU  
; TITLE OF INVENTION: HUMANIZED ANTIBODIES  
; NUMBER OF SEQUENCES: 49  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VIRGINIA  
; COUNTRY: U.S.A.  
; ZIP: 22201-4714

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/116,778E

FILING DATE: 07-SEP-93

CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: WILSON, MARY J.

REGISTRATION NUMBER: 32,955

REFERENCE/DOCKET NUMBER: 249-59

TELEPHONE: (703)816-4000

TELEFAX: (703)816-4100

INFORMATION FOR SEQ ID NO: 37:

SEQUENCE CHARACTERISTICS:

LENGTH: 133 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-116-778E-37

Query Match 90.1%; Score 590; DB 2; Length 133;  
Best Local Similarity 89.8%; Pred. No. 1.5e-46;  
Matches 115; Conservative 6; Mismatches 7; Indels 0; Gaps 0;

QY 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCSSASSVSYMHYQOK 60  
|||||

Db 1 MHFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCSSASSVSYMHYQOK 60  
QY 61 PGKAPKLLIYDTSNLASGVPSRFGSGSGTDYTLTISQLQPEDFATYYCQWSSYPLTFG 120  
|||||  
Db 61 PGKAPKLLIYDTSNLASGVPSRFGSGSGTDYTLTISQLQPEDFATYYCQWSSYPLTFG 120  
|||||

QY 121 GGTKEVEIK 128  
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Db 121 GGTKEVEIK 128  
|||||

## RESULT 6

US-08-438-562-37  
; Sequence 37, Application US/08438562  
; Patent No. 5874255  
; GENERAL INFORMATION:  
; APPLICANT: NAKAMURA, KAZUYASU  
; APPLICANT: KOIKE, MASAMICHI  
; APPLICANT: SHITARA, KENYA  
; APPLICANT: HANAI, NOBUO  
; APPLICANT: KAWANA, YOSHIHISA  
; APPLICANT: HASEGAWA, MAMORU  
; TITLE OF INVENTION: HUMANIZED ANTIBODIES  
; NUMBER OF SEQUENCES: 49  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: NIXON & VANDERHYE P.C.  
; STREET: 1100 NORTH GLEBE ROAD  
; CITY: ARLINGTON  
; STATE: VIRGINIA  
; COUNTRY: U.S.A.  
; ZIP: 22201-4714

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/438,562

FILING DATE: 10-MAY-95

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/116,778

FILING DATE: 07-SEP-93

CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: WILSON, MARY J.

REGISTRATION NUMBER: 32,955

REFERENCE/DOCKET NUMBER: 249-76

TELEPHONE: (703)816-4000

TELEFAX: (703)816-4100

INFORMATION FOR SEQ ID NO: 37:

SEQUENCE CHARACTERISTICS:

LENGTH: 133 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-438-562-37

Query Match 90.1%; Score 590; DB 2; Length 133;  
Best Local Similarity 89.8%; Pred. No. 1.5e-46;  
Matches 115; Conservative 6; Mismatches 7; Indels 0; Gaps 0;

QY 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCSSASSVSYMHYQOK 60  
Db 1 MHFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGRVITTCSSASSVSYMHYQOK 60  
QY 61 PGKAPKLLIYDTSNLASGVPSRFGSGSGTDYTLTISQLQPEDFATYYCQWSSYPLTFG 120  
Db 61 PGKAPKLLIYDTSNLASGVPSRFGSGSGTDYTLTISQLQPEDFATYYCQWSSYPLTFG 120  
QY 121 GGTKEVEIK 128

Db 121 GGTKVEIK 128

|||||  
CURRENT APPLICATION NUMBER: US/09/171,945  
CURRENT FILING DATE: 1998-10-29  
PRIOR APPLICATION NUMBER: GB9703103.3  
PRIOR FILING DATE: 1997-02-14  
PRIOR APPLICATION NUMBER: GB9609405.7  
PRIOR FILING DATE: 1996-05-04  
PRIOR APPLICATION NUMBER: PCT/GB97/01165  
PRIOR FILING DATE: 1997-04-29  
NUMBER OF SEQ ID NOS: 131  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 97  
LENGTH: 235  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: humanized  
US-09-171-945-97

Query Match 89.0%; Score 583; DB 4; Length 235;  
Best Local Similarity 89.1%; Pred. No. 1.2e-45;  
Matches 114; Conservative 6; Mismatches 8; Indels 0; Gaps 0;

QY 1 MDFQVQIFSFLLISAVILSRGDIQMTPSPSSLSASVGDRVTITCSATSSITYMSWYQQK 60  
|||||  
DB 1 MDFQVQIFSFLLISAVIMRGOIVLTQPSSLASVGDRVTITCSASSVTYMHYQQK 60  
  
QY 61 PGKAPKLLIYDTSNLASGVPSRFSGSGGTDTLTITSLQPEDFATYYCQQWSYPPLFG 120  
|||||  
DB 61 PGKAPKLLIYSTNLASGVPSRFSGSGGTDTFTTISLQPEDIATYYCQQRSTPPLFG 120  
  
QY 121 GGTKVEIK 128  
|||  
DB 121 QGTKLEIK 128

RESULT 9  
US-07-946-421-26  
Sequence 26, Application US/07946421  
Patent No. 5558864  
GENERAL INFORMATION:  
APPLICANT: Bendig, Mary M.  
APPLICANT: Kettleborough, Catherine A.  
APPLICANT: Saldanha, Jose  
TITLE OF INVENTION: Humanized and Chimeric Monoclonal  
TITLE OF INVENTION: Antibodies  
NUMBER OF SEQUENCES: 42  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Millen, White, Zelano & Branigan, P.C.  
STREET: 2200 Clarendon Boulevard, Suite 1400  
CITY: Arlington  
STATE: Virginia  
COUNTRY: U.S.A.  
ZIP: 22201  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/946,421  
FILING DATE: 06-NOV-1992  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/EP92/00480  
FILING DATE: 04-MAR-1992  
PRIOR APPLICATION DATA: EP 911933892  
APPLICATION NUMBER: 06-MAR-1991  
FILING DATE: 06-MAR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Hamlet-King, Diana  
REGISTRATION NUMBER: 33,302  
REFERENCE/DOCKET NUMBER: Merck 1430

Db 121 GGTKVEIK 128

|||||  
CURRENT APPLICATION NUMBER: US/08/483,528B  
CURRENT FILING DATE: 1998-10-29  
PRIOR APPLICATION NUMBER: GB9703103.3  
PRIOR FILING DATE: 1997-02-14  
PRIOR APPLICATION NUMBER: GB9609405.7  
PRIOR FILING DATE: 1996-05-04  
PRIOR APPLICATION NUMBER: PCT/GB97/01165  
PRIOR FILING DATE: 1997-04-29  
NUMBER OF SEQ ID NOS: 131  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 97  
LENGTH: 235  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: humanized  
US-08-483-528B-101

Query Match 90.1%; Score 590; DB 2; Length 133;  
Best Local Similarity 89.8%; Pred. No. 1.5e-46;  
Matches 115; Conservative 6; Mismatches 7; Indels 0; Gaps 0;

QY 1 MDFQVQIFSFLLISAVILSRGDIQMTPSPSSLSASVGDRVTITCSATSSITYMSWYQQK 60  
|||||  
DB 1 MHFQVQIFSFLLISAVIMRGOIVLTQPSSLASVGDRVTITCSASSVTYMHYQQK 60  
  
QY 61 PGKAPKLLIYDTSNLASGVPSRFSGSGGTDTLTITSLQPEDFATYYCQQWSYPPLFG 120  
|||||  
DB 61 PGKAPKLLIYSTNLASGVPSRFSGSGGTDTFTTISLQPEDIATYYCQQRSSYPPLFG 120  
  
QY 121 GGTKVEIK 128  
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DB 121 GGTKVEIK 128

RESULT 8  
US-09-171-945-97  
Sequence 97, Application US/09171945  
Patent No. 6277599  
GENERAL INFORMATION:  
APPLICANT: Emery, Stephen  
APPLICANT: Copley, Clive Graham  
APPLICANT: Edge, Michael Derek  
TITLE OF INVENTION: Monoclonal Antibody to CEA, Conjugates Comprising Said  
TITLE OF INVENTION: Antibody, and Their Therapeutic Use in an Adept System  
FILE REFERENCE: Monoclonal Antibody to CEA

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-243-6333  
TELEFAX: 703-243-6410  
TELEX: 64191  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 128 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-07-946-421-26

Query Match 79.4%; Score 520; DB 1; Length 128;  
Best Local Similarity 77.3%; Pred. No. 3e-40;  
Matches 99; Conservative 15; Mismatches 14; Indels 0; Gaps 0;  
QY 1 MDFQVOIFSLISASVILSRGDIQMTQSPSSLSASVGDRTVITCSATSSITYMSWYQK 60  
Db 1 MDFQVOIFSLISASVILSRGDIQMTQSPSSLSASVGDRTVITCSATSSITYMSWYQK 60  
61 PGKAPKLLIYDTSNLAGVPSRFSGSGGTDTYLTISSLQPEDFATYYCQWSSYPLTFG 120  
Db 61 PGSSPRLIYDTSNLAGVPSRFSGSGGTDTYLTISSLQPEDFATYYCQWSSYPLTFG 120  
QY 121 GGTKEIK 128  
Db 121 GGTKEIK 128

RESULT 10  
US-07-634-278-31  
Sequence 31, Application US/07634278  
Patent No. 5530101  
GENERAL INFORMATION:  
APPLICANT: QUEEN, Cary L.  
APPLICANT: CO. Man Sung  
APPLICANT: SCHNEIDER, William P.  
APPLICANT: LANDOLFI, Nicholas F.  
APPLICANT: COELINGH, Kathleen L.  
APPLICANT: SELICK, Harold E.  
TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBULINS  
NUMBER OF SEQUENCES: 113  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend Khourie and Crew  
STREET: 379 Lytton Avenue  
CITY: Palo Alto  
STATE: California  
COUNTRY: US  
ZIP: 94301  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION NUMBER: US/07/634,278  
FILING DATE: 19-DEC-1990  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/07/590,274  
FILING DATE: 28-SEP-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/310,252  
FILING DATE: 13-FEB-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/290,975  
FILING DATE: 28-DEC-1988  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 11823-002600  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 326-2400

TELEFAX: (415) 326-2422  
INFORMATION FOR SEQ ID NO: 31:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 128 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-07-634-278-31

Query Match 79.2%; Score 519; DB 1; Length 128;  
Best Local Similarity 75.0%; Pred. No. 3.7e-40;  
Matches 96; Conservative 19; Mismatches 13; Indels 0; Gaps 0;  
QY 1 MDFQVOIFSLISASVILSRGDIQMTQSPSSLSASVGDRTVITCSATSSITYMSWYQK 60  
Db 1 MDFQVOIFSLISASVILSRGDIQMTQSPSSLSASVGDRTVITCSATSSITYMSWYQK 60  
61 PGKAPKLLIYDTSNLAGVPSRFSGSGGTDTYLTISSLQPEDFATYYCQWSSYPLTFG 120  
Db 61 PGSSPRLIYDTSNLAGVPSRFSGSGGTDTYLTISSLQPEDFATYYCQWSSYPLTFG 120  
QY 121 GGTKEIK 128  
Db 121 GGTKEIK 128

RESULT 11  
US-08-477-728-31  
Sequence 31, Application US/08477728  
Patent No. 5585089  
GENERAL INFORMATION:  
APPLICANT: QUEEN, Cary L.  
APPLICANT: SCHNEIDER, William P.  
APPLICANT: SELICK, Harold E.  
TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBULINS  
NUMBER OF SEQUENCES: 113  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, 8th Floor  
CITY: Palo Alto  
STATE: California  
COUNTRY: US  
ZIP: 94111  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION NUMBER: US/08/477,728  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/634,278  
FILING DATE: 19-DEC-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/590,274  
FILING DATE: 28-SEP-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/310,252  
FILING DATE: 13-FEB-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/290,975  
FILING DATE: 28-DEC-1988  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 11823-002600  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 326-2400  
TELEFAX: (415) 326-2422  
INFORMATION FOR SEQ ID NO: 31:

us-09-772-103-8.ra1

Mon Jul 1 16:28:12 2002

SEQUENCE CHARACTERISTICS:  
LENGTH: 128 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-477-728-31

Query Match 79.2%; Score 519; DB 1; Length 128;  
Best Local Similarity 75.0%; Pred. No. 3.7e-40;  
Matches 96; Conservative 19; Mismatches 13; Indels 0; Gaps 0;  
QY 1 MDPQVQIFSLISAVILSRGDIQMTQSPSSLSASVGRVYTITCSATSSITYMSWYQOK 60  
Db 1 MDPQVQIFSLISAVILSRGDIQMTQSPSSLSASVGRVYTITCSATSSITYMSWYQOK 60  
QY 61 PGKAPKLLIYDTSNLASGVPRFSGSGSDTYLTISLQPEDFATYYCQWSSYPLTFG 120  
Db 61 PGSSPRLIYDTSNLASGVPRFSGSGSDTYLTISLQPEDFATYYCQWSSYPLTFG 120  
QY 121 GGTKEIK 128  
Db 121 AGTKLELK 128

RESULT 12  
US-08-474-040-31  
Sequence 31, Application US/08474040  
Patent No. 5693761  
GENERAL INFORMATION:  
APPLICANT: QUEEN, Cary L.  
APPLICANT: CO, Man Sung  
APPLICANT: SCHNEIDER, William P.  
APPLICANT: LANDOLFI, Nicholas F.  
APPLICANT: COELINGH, Kathleen L.  
APPLICANT: SELICK, Harold E.  
TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBLINS  
NUMBER OF SEQUENCES: 113  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend Khourie and Crew  
STREET: 379 Lytton Avenue  
CITY: Palo Alto  
STATE: California  
COUNTRY: US  
ZIP: 94301  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/474,040  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/634,278  
FILING DATE: 19-DEC-1990  
APPLICATION NUMBER: US 07/590,274  
FILING DATE: 28-SEP-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/310,252  
FILING DATE: 13-FEB-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/290,975  
FILING DATE: 28-DEC-1988  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 11823-002600  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 326-2400  
TELEFAX: (415) 326-2422  
INFORMATION FOR SEQ ID NO: 31:

SEQUENCE CHARACTERISTICS:  
LENGTH: 128 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-474-040-31

Query Match 79.2%; Score 519; DB 1; Length 128;  
Best Local Similarity 75.0%; Pred. No. 3.7e-40;  
Matches 96; Conservative 19; Mismatches 13; Indels 0; Gaps 0;  
QY 1 MDPQVQIFSLISAVILSRGDIQMTQSPSSLSASVGRVYTITCSATSSITYMSWYQOK 60  
Db 1 MDPQVQIFSLISAVILSRGDIQMTQSPSSLSASVGRVYTITCSATSSITYMSWYQOK 60  
QY 61 PGKAPKLLIYDTSNLASGVPRFSGSGSDTYLTISLQPEDFATYYCQWSSYPLTFG 120  
Db 61 PGSSPRLIYDTSNLASGVPRFSGSGSDTYLTISLQPEDFATYYCQWSSYPLTFG 120  
QY 121 GGTKEIK 128  
Db 121 AGTKLELK 128

RESULT 13  
US-08-487-200-31  
Sequence 31, Application US/08487200  
Patent No. 5693762  
GENERAL INFORMATION:  
APPLICANT: QUEEN, Cary L.  
APPLICANT: CO, Man Sung  
APPLICANT: SCHNEIDER, William P.  
APPLICANT: LANDOLFI, Nicholas F.  
APPLICANT: COELINGH, Kathleen L.  
APPLICANT: SELICK, Harold E.  
TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBLINS  
NUMBER OF SEQUENCES: 113  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew  
STREET: 379 Lytton Avenue  
CITY: Palo Alto  
STATE: California  
COUNTRY: US  
ZIP: 94301  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/487,200  
FILING DATE: 7-JUN-1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/634,278  
FILING DATE: 19-DEC-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/590,274  
FILING DATE: 28-SEP-1990  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/310,252  
FILING DATE: 13-FEB-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/290,975  
FILING DATE: 28-DEC-1988  
ATTORNEY/AGENT INFORMATION:  
NAME: Smith, William M  
REGISTRATION NUMBER: 30,223  
REFERENCE/DOCKET NUMBER: 11823-002610  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 326-2400  
TELEFAX: (415) 326-2422

; INFORMATION FOR SEQ ID NO: 31:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 128 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-487-200-31

Query Match 79.2%; Score 519; DB 1; Length 128;  
Best Local Similarity 75.0%; Pred. No. 3.7e-40;  
Matches 96; Conservative 19; Mismatches 13; Indels 0; Gaps 0;  
QY 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRTITCSATSSITYMSWYQOK 60  
Db 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRTITCSATSSITYMSWYQOK 60  
QY 61 PGKAPKLLIYDTSNLASGVPRFSGSGGTDTYLTITSSLPEDFATYYCQWSSYPLTFG 120  
Db 61 PGSSPRLIYDTSNLASGVPRFSGSGGTDTYLTITSSLPEDFATYYCQWSSYPLTFG 120  
QY 121 GGTKEIK 128  
Db 121 AGTKLEK 128

RESULT 14  
US-08-484-537-31  
; Sequence 31, Application US/08484537  
; Patent No. 6180370  
; GENERAL INFORMATION:  
; APPLICANT: QUEEN, Cary L.  
; APPLICANT: CO, Man Sung  
; APPLICANT: SCHNEIDER, William P.  
; APPLICANT: LANDOLFI, Nicholas F.  
; APPLICANT: COELINGH, Kathleen L.  
; APPLICANT: SELICK, Harold E.  
; TITLE OF INVENTION: IMPROVED HUMANIZED IMMUNOGLOBULINS  
; NUMBER OF SEQUENCES: 113  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend Khourie and Crew  
; STREET: 379 Lytton Avenue  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: US  
; ZIP: 94301  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/484,537  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/634,278  
; FILING DATE: 19-DEC-1990  
; APPLICATION NUMBER: US/07/590,274  
; FILING DATE: 28-SEP-1990  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/310,252  
; FILING DATE: 13-FEB-1989  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/290,975  
; FILING DATE: 28-DEC-1988  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Smith, William M  
; REGISTRATION NUMBER: 30,223  
; REFERENCE/DOCKET NUMBER: 11823-002600  
; TELEPHONE: (415) 326-2400  
; TELEFAX: (415) 326-2422

; INFORMATION FOR SEQ ID NO: 31:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 128 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-484-537-31

Query Match 79.2%; Score 519; DB 4; Length 128;  
Best Local Similarity 75.0%; Pred. No. 3.7e-40;  
Matches 96; Conservative 19; Mismatches 13; Indels 0; Gaps 0;  
QY 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRTITCSATSSITYMSWYQOK 60  
Db 1 MDFQVQIFSFLLISASVILSRGDIQMTQSPSSLSASVGDRTITCSATSSITYMSWYQOK 60  
QY 61 PGKAPKLLIYDTSNLASGVPRFSGSGGTDTYLTITSSLPEDFATYYCQWSSYPLTFG 120  
Db 61 PGSSPRLIYDTSNLASGVPRFSGSGGTDTYLTITSSLPEDFATYYCQWSSYPLTFG 120  
QY 121 GGTKEIK 128  
Db 121 AGTKLEK 128

RESULT 15  
US-08-656-586-6  
; Sequence 6, Application US/08656586  
; Patent No. 5834597  
; GENERAL INFORMATION:  
; APPLICANT: Tso, J. Yun  
; APPLICANT: Cole, Michael S.  
; APPLICANT: Anasetti, Claudio  
; TITLE OF INVENTION: Mutated No. 5834597activating IgG2 Domains and  
; TITLE OF INVENTION: Anti-CD3 Antibodies Incorporating the Same  
; NUMBER OF SEQUENCES: 13  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew LLP  
; STREET: Two Embarcadero Center, Eighth Floor  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94111-3834  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/656,586  
; FILING DATE: 31-MAY-1996  
; CLASSIFICATION: 530  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Liebeschuetz, Joseph O.  
; REGISTRATION NUMBER: 37,505  
; REFERENCE/DOCKET NUMBER: 11823-007210US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 576-0200  
; TELEFAX: (415) 576-0300  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 126 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-656-586-6

Query Match 79.1%; Score 518; DB 2; Length 126;  
Best Local Similarity 90.8%; Pred. No. 4.5e-40;  
Matches 99; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

Mon Jul 1 16:28:12 2002

79	SRGDIQMTQSPSSLSASVGRVITITCSATSSITMYSWYQKPKAPKLLIYDTSNLASGV	79
QY		
78	SPGDIQMTQSPSSLSASVGRVITITCSASSSYMMYQKPKAPKRLIYDTSKLASGV	77
Db		
80	PSRFSGSGSGTDYTLTISSQPEDFAITYCQQWSYPLFGGGTKVEIK	128
QY		
78	PSRFSGSGSGTDFTLTISQPEDFAITYCQQWSNPPFFGGGTKVEIK	126
Db		

Search completed: May 7, 2002, 12:01:21  
Job time: 149 sec